

AMENDMENT

U.S. Appl. No. 09/970,682

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (previously presented): A composition comprising: a) a copolymer obtained from a thermoplastic or thermosetting resin and at least one alkoxysilane; and b) a mineral filler selected from compounds of B, Al, Ti, Zn, Zr, Cr, Fe, and silicates, and mixtures thereof.

Claim 2 (previously presented): A composition according to claim 1, in which the thermoplastic or thermosetting resin is selected from the group consisting of: polyamide imide (PAI), polyester imide (PEI), polyimide (PI), polyester (PE), polyurethane (PU), polyvinylacetal (PVA), and mixtures thereof.

Claim 3 (currently amended): A composition according to claim 1, in which the copolymer is obtained by adding ~~20% to 40%~~ 10% to 50% by weight of alkoxysilane.

Claim 4 (previously presented): A composition according to claim 1, in which the alkoxysilane is selected from tetraalkoxysilanes and trialkoxysilanes.

Claim 5 (previously presented): A composition according to claim 1, in which the mineral filler is selected from oxides and nitrides of B, Al, Ti, Zn, Zr, Cr, and Fe.

Claim 6 (previously presented): A composition according to claim 1, in which the mineral filler is selected from silicates.

Claim 7 (currently amended): A composition according to claim 1, comprising ~~5% to 15%~~ 2% to 20% by weight of mineral filler.

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Claim 8 (original): A composition according to claim 1, in which the mineral filler has a specific surface area greater than $40 \text{ m}^2/\text{g}$.

Claim 9 (original): An insulation varnish for a winding wire, the varnish comprising a composition in accordance with claim 1.

Claim 10 (original): A method of manufacturing a composition in accordance with claim 1, the method comprising the following steps: copolymerizing the thermoplastic or thermosetting resin with at least one alkoxysilane; adding a mineral filler selected from compounds of B, Al, Ti, Zn, Zr, Cr, Fe, silicates, and mixtures thereof; and homogenizing.

Claim 11 (original): A method according to claim 10, in which synthesis is performed in a solvent selected from ortho-cresyl, meta-cresyl, para-cresyl, cresylic acid, N-methylpyrrolidone, dimethylacetamide (DMAC), and mixtures thereof.

Claim 12 (original): A method according to claim 10, in which the reaction is performed in the presence of a catalyst selected from pTSA, dibutyltin, and a polysiloxane.

Claim 13 (original): A method of manufacturing a winding wire, the method comprising the following steps: applying a varnish comprising a composition in accordance with claim 1 on the wire; and setting the varnish.

Claim 14 (original): A winding wire obtained by the method of claim 13.

Claim 15 (original): A coil comprising a conductor wire covered in a varnish comprising a composition in accordance with claim 1.

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Claim 16 (new): A composition according to claim 3, in which the copolymer is obtained by adding 20% to 40% by weight of alkoxysilane.

Claim 17 (new): A composition according to claim 4, in which the tetraalkoxysilane is tetraethoxysilane (TEOS) and the trialkoxysilane is selected from the group consisting of trimethoxysilane and aminopropyl-trimethoxysilane.

Claim 18 (new): A composition according to claim 5, in which the mineral filler is titanium dioxide.

Claim 19 (new): A composition according to claim 6, in which the silicate is selected from the group consisting of clays, nanocomposite clays, and mica.

Claim 20 (new): A composition according to claim 7, comprising 5% to 15% by weight of mineral filler.